

AMAX-5015

AMAX-5018

AMAX-5024

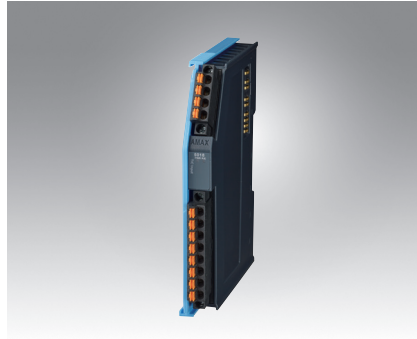
4-ch RTD Input Module

6-ch Thermocouple Input Module

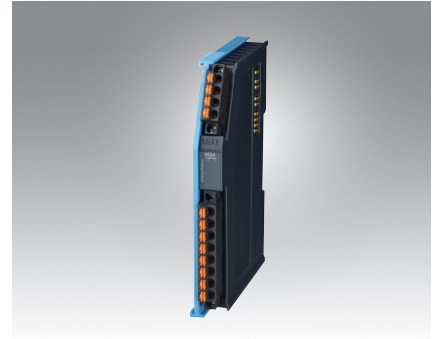
4-ch Analog Output Module



AMAX-5015



AMAX-5018



AMAX-5024



Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN

RTD Input

- **Channels** 4
- **Input Connections** 2 or 3 wire
- **Input Impedance** >10M Ω
- **Temperature Range**
Pt 100 RTD:
Pt -50°C to 150°C
Pt 0°C to 100°C
Pt 0°C to 200°C
Pt 0°C to 400°C
Pt -200°C to 200°C
IEC RTD 100 ohms (a = 0.00385)
JIS RTD 100 ohms (a = 0.00392)
Pt -40°C to 160°C
-30°C to 120°C
-80°C to 100°C
0°C to 100°C
- **Resolution** 16 bit with $\pm 0.1\%$ FSR accuracy @25°C
- **Sampling Rate** 100 sample/s (per channel)
- **Burn-out detection** Yes
- **Protection**
 - **Isolation Voltage** 2,000 V_{DC}
- **Environment**
 - **Operation Temperature** -25~60°C (vertical mounted)
 - **Storage Temperature** -40~85°C
 - **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5015-A** 4-ch RTD Input Module

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN

Thermocouple Input

- **Channels** 6 differential
- **Input Type** V, mV, Thermocouple
- **Input Impedance** >2M Ω
- **Voltage Range**
 ± 50 mV, ± 100 mV, ± 500 mV, ± 1 V, ± 2.5 V
- **Temperature Range**
Type J (0 ~ 760°C)
Type K (0 ~ 1370°C)
Type T (-100 ~ 400°C)
Type E (0 ~ 1000°C)
Type R (500 ~ 1750°C)
Type S (500 ~ 1750°C)
Type B (500 ~ 1800°C)
Type N (-200 ~ 1300°C)
- **Resolution** 16 bit with $\pm 0.1\%$ FSR accuracy @25°C
- **Sampling Rate** 100 sample/s (per channel)
- **Protection**
 - **Isolation Voltage** 2,000 V_{DC}
- **Environment**
 - **Operation Temperature** -25~60°C (vertical mounted)
 - **Storage Temperature** -40~85°C
 - **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5018-A** 6-ch Thermocouple Input Module

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 3.5W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **Distributed Clock** Default inactive
- **LED Indicator** PWR, RUN

Analog Output

- **Channels** 4
- **Output Type** V, mV, mA
- **Output Range** 0~5V, 0~10V, ± 5 V, ± 10 V, 4~20mA, 0~20mA
- **Resolution** 16-bit with accuracy $\pm 0.01\%$ FSR@25°C
- **Slew Rate** Configurable
- **Drift** ± 50 ppm/°C
- **Current Load Resistor** Max. 500 Ω
- **Voltage Load Resistor** Min. 1K Ω
- **Current Output Resistor** 10M Ω
- **Voltage Output Resistor** 0.01 Ω

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5024-A** 4-ch Analog Output Module